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Docket No.: 19603/468 (CRF D-15C)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Barany et al.
Serial No. : 08/794,851
Cnfrm. No. : 7129
Filed : February 4, 1997
For : DETECTION OF NUCLEIC ACID
SEQUENCE DIFFERENCES
USING THE LIGASE DETECTION
REACTION WITH ADDRESSABLE
ARRAYS

Examining
P. Ponnasri

Art Unit:
1639

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

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Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the
United States Patent and Trademark Office, the enclosed references listed on the attached
PTO-1449 form.

Respectfully submitted,

Date: February 5, 2003

Michael L. Goldman
Registration No. 30,727

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603-1051
Telephone: (585) 263-1304
Facsimile: (585) 263-1600

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: U.S. Patent and Trademark Office P.O. BOX 2327 Arlington, VA 22202, on the date below.	
Date <u>February 5, 2003</u>	<u>Jo Ann Whalen</u> Jo Ann Whalen

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	APPLICANT Barany et al.	
	FILING DATE February 4, 1997	GROUP ART UNIT 1639



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	1	4,988,617	01/29/1991	Landegren et al.			
	2	5,516,635	05/16/1996	Ekins et al.			
	3	5,858,659	01/12/1999	Sapolsky et al.			
	4	6,143,495	11/07/2000	Lizardi et al.			
	5	6,506,594 B1	01/14/2003	Barany et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
	6	WO 92/10566	06/25/1992	WIPO			
	7	WO 98/03673 A	01/29/1998	WIPO			
	8	WO 00/56927 A3	09/28/2000	WIPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	9	Belgrader et al., "A Multiplex PCR-Ligase Detection Reaction Assay for Human Identity Testing," <u>Genome Science & Tech.</u> 1:77-87 (1996)
	10	Chee et al., "Accessing Genetic Information with High-Density DNA Arrays," <u>Science</u> 274:610-614 (1996)
	11	Day et al., "Identification of Non-Amplifying CYP21 Genes When Using PCR-Based Diagnosis of 21-Hydroxylase Deficiency in Congenital Adrenal Hyperplasia (CAH) Affected Pedigrees," <u>Hum. Mol. Genet.</u> 5(12):2039-2048 (1996)
	12	Drobyshev et al., "Sequence Analysis by Hybridization with Oligonucleotide Microchip: Identification of β -Thalassemia Mutations," <u>Gene</u> 188:45-52 (1997)
	13	Fodor et al., "Multiplexed Biochemical Assays with Biological Chips," <u>Nature</u> 364:555-556 (1993)
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		15	Hacia et al., "Detection of Heterozygous Mutations in <i>BRCA1</i> Using High Density Oligonucleotide Arrays and Two-Colour Fluorescence Analysis," <u>Nat. Genet.</u> 14:441-447 (1996)
		16	Heller et al., "Discovery and Analysis of Inflammatory Disease-Related Genes Using cDNA Microarrays," <u>Proc. Nat'l. Acad. Sci. USA</u> 94:2150-2155 (1997)
		17	Khanna et al., "Multiplex PCR/LDR for Detection of <i>K-ras</i> Mutations in Primary Colon Tumors," <u>Oncogene</u> 18:27-38 (1999)
		18	Khrapko et al., "A Method for DNA Sequencing by Hybridization with Oligonucleotide Matrix," <u>J. DNA Seq. Map.</u> 1:375-388 (1991)
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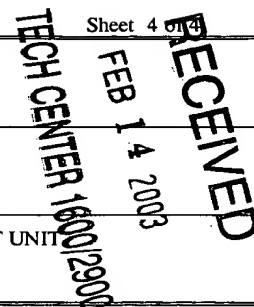
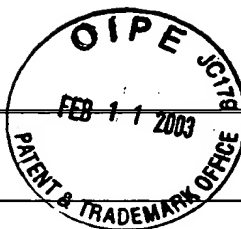
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23	Maskos et al., "A Novel Method for the Analysis of Multiple Sequence Variants by Hybridization to Oligonucleotides," <u>Nucleic Acids Res.</u> 21:2267-2268 (1993)
24	Nikiforov et al., "Genetic Bit Analysis: A Solid Phase Method for Typing Single Nucleotide Polymorphisms," <u>Nucleic Acids Res.</u> 22(20):4167-4175 (1994)
25	Nonradioactive <i>in situ</i> Hybridization Manual from Boehringer Mannheim Biochemicals, page 1, 1992
26	Nucleic Acid Hybridization, A Practical Approach, page 6, edited by Hames & Higgins, 1985, Published by IRL Press Limited, P.O. Box 1, Eynsham, Oxford OX 8 1JJ, England.
27	Parinov et al., "DNA Sequencing by Hybridization to Microchip Octa- and Decanucleotides Extended by Stacked Pentanucleotides," <u>Nucleic Acids Res.</u> 24:2998-3004 (1996)
28	Reed et al., "Chromosome-Specific Microsatellite Sets for Fluorescence-Based, Semi-Automated Genome Mapping," <u>Nature Genetics</u> 7:390-395 (1994)
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30	Shalon et al., "A DNA Microarray System for Analyzing Complex DNA Samples Using Two-Color Fluorescent Probe Hybridization," <u>Genome Res.</u> 6:639-645 (1996)
31	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation using Experimental Models," <u>Genomics</u> 13:1008-1017 (1992)

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		32	Timofeev et al., "Regioselective Immobilization of Short Oligonucleotides to Acrylic Copolymer Gels," <u>Nucleic Acids Res.</u> 24:3142-3148 (1996)
		33	Tong et al., "Biochemical Properties of a High Fidelity DNA Ligase from Thermus species AK16D," <u>Nucleic Acids Research</u> 27(3):788-794 (1999)
		34	Van Ness et al., "A Versatile Solid Support System for Oligodeoxynucleotide Probe-based Hybridization Assays," <u>Nucleic Acids Res.</u> 19:3345-3350 (1991)
		35	Weber et al., "Abundant Class of Human DNA Polymorphisms Which Can Be Typed Using the Polymerase Chain Reaction," <u>Amer. J. Hum. Genet.</u> 44:388-396 (1989)
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